

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/856,376A

DATE: 09/29/1999
TIME: 13:47:13

INPUT SET: S30855.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Chee, Mark
Bernio, Anthony
Yang, Robert

(ii) TITLE OF INVENTION: Polymorphisms in Human Mitochondrial DNA

(iii) NUMBER OF SEQUENCES: 17

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Townsend and Townsend and Crew LLP
(B) STREET: Two Embarcadero Center, Eighth Floor
(C) CITY: San Francisco
(D) STATE: California
(E) COUNTRY: USA
(F) ZIP: 94111-3834

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/856,376
(B) FILING DATE: 14-MAY-1997
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 60/017,203
(B) FILING DATE: 16-MAY-1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 60/024,206
(B) FILING DATE: 20-AUG-1996

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Liebeschuetz, Joe
(B) REGISTRATION NUMBER: 37,505
(C) REFERENCE/DOCKET NUMBER: 018547-025010US

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (415) 576-0200

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RAW SEQUENCE LISTING
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TIME: 13:47:13

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47 (B) TELEFAX: (415) 576-0300

48

49

50 (2) INFORMATION FOR SEQ ID NO:1:

51

52 (i) SEQUENCE CHARACTERISTICS:

53 (A) LENGTH: 41 base pairs

54 (B) TYPE: nucleic acid

55 (C) STRANDEDNESS: single

56 (D) TOPOLOGY: linear

57

58 (ii) MOLECULE TYPE: DNA

59

60

61 (ix) FEATURE:

62 (A) NAME/KEY: -

63 (B) LOCATION: 1..41

64 (D) OTHER INFORMATION: /note= "primer L15935-T3"

65

66

67 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

68

69 CTCGGAATTA ACCCTCACTA AAGGAAACCT TTTTCCAAGG A

41

70

71

72 (2) INFORMATION FOR SEQ ID NO:2:

73

74 (i) SEQUENCE CHARACTERISTICS:

75 (A) LENGTH: 42 base pairs

76 (B) TYPE: nucleic acid

77 (C) STRANDEDNESS: single

78 (D) TOPOLOGY: linear

79

80 (ii) MOLECULE TYPE: DNA

81

82

83 (ix) FEATURE:

84 (A) NAME/KEY: -

85 (B) LOCATION: 1..42

86 (D) OTHER INFORMATION: /note= "primer H667-T7"

87

88

89 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

90

91 TAATACGACT CACTATAGGG AGAGGCTAGG ACCAAACCTA TT

42

92

93

94 (2) INFORMATION FOR SEQ ID NO:3:

95

96 (i) SEQUENCE CHARACTERISTICS:

97 (A) LENGTH: 15 base pairs

98 (B) TYPE: nucleic acid

99 (C) STRANDEDNESS: single

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100 (D) TOPOLOGY: linear
101
102 (ii) MOLECULE TYPE: DNA
103
104
105 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
106
107 GATGTCGGAT ACAGT 15
108
109
110 (2) INFORMATION FOR SEQ ID NO:4:
111
112 (i) SEQUENCE CHARACTERISTICS:
113 (A) LENGTH: 15 base pairs
114 (B) TYPE: nucleic acid
115 (C) STRANDEDNESS: single
116 (D) TOPOLOGY: linear
117
118 (ii) MOLECULE TYPE: DNA
119
120
121 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
122
123 GATGTCGGCT ACAGT 15
124
125
126 (2) INFORMATION FOR SEQ ID NO:5:
127
128 (i) SEQUENCE CHARACTERISTICS:
129 (A) LENGTH: 15 base pairs
130 (B) TYPE: nucleic acid
131 (C) STRANDEDNESS: single
132 (D) TOPOLOGY: linear
133
134 (ii) MOLECULE TYPE: DNA
135
136
137 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
138
139 GATGTCGGGT ACAGT 15
140
141
142 (2) INFORMATION FOR SEQ ID NO:6:
143
144 (i) SEQUENCE CHARACTERISTICS:
145 (A) LENGTH: 15 base pairs
146 (B) TYPE: nucleic acid
147 (C) STRANDEDNESS: single
148 (D) TOPOLOGY: linear
149
150 (ii) MOLECULE TYPE: DNA
151
152

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153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

154

155 GATGTCGGTT ACAGT

15

156

157

158 (2) INFORMATION FOR SEQ ID NO:7:

159

160 (i) SEQUENCE CHARACTERISTICS:

161 (A) LENGTH: 20 base pairs

162 (B) TYPE: nucleic acid

163 (C) STRANDEDNESS: single

164 (D) TOPOLOGY: linear

165

166 (ii) MOLECULE TYPE: DNA

167

168 (ix) FEATURE:

169 (A) NAME/KEY: modified_base

170 (B) LOCATION: 1

171 (D) OTHER INFORMATION: /mod_base= OTHER

172 /note= "N = cytosine linked to
173 fluorescein"

174

175 (ix) FEATURE:

176 (A) NAME/KEY: -

177 (B) LOCATION: 1..20

178 (D) OTHER INFORMATION: /note= "control oligonucleotide"

179

180

181 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

182

183 NTGAACGGTA GCATCTTGAC

20

184

185

186 (2) INFORMATION FOR SEQ ID NO:8:

187

188 (i) SEQUENCE CHARACTERISTICS:

189 (A) LENGTH: 40 base pairs

190 (B) TYPE: nucleic acid

191 (C) STRANDEDNESS: single

192 (D) TOPOLOGY: linear

193

194 (ii) MOLECULE TYPE: DNA

195

196

197 (ix) FEATURE:

198 (A) NAME/KEY: -

199 (B) LOCATION: 1..40

200 (D) OTHER INFORMATION: /note= "primer L14675-T3"

201

202

203 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

204

205 AATTAACCCT CACTAAAGGG ATTCTCGCAC GGACTACAAC

40

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206

207

208 (2) INFORMATION FOR SEQ ID NO:9:

209

(i) SEQUENCE CHARACTERISTICS:

211 (A) LENGTH: 45 base pairs

212 (B) TYPE: nucleic acid

213 (C) STRANDEDNESS: single

214 (D) TOPOLOGY: linear

215

216 (ii) MOLECULE TYPE: DNA

217

218

219 (ix) FEATURE:

220 (A) NAME/KEY: -

221 (B) LOCATION: 1..45

222 (D) OTHER INFORMATION: /note= "primer L14836-T3"

223

224

225 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

226

227 AATTAACCCT CACTAAAGGG ATGAAACTTC GGCTCACTCC TTGGC

45

228

229

230 (2) INFORMATION FOR SEQ ID NO:10:

231

(i) SEQUENCE CHARACTERISTICS:

233 (A) LENGTH: 47 base pairs

234 (B) TYPE: nucleic acid

235 (C) STRANDEDNESS: single

236 (D) TOPOLOGY: linear

237

238 (ii) MOLECULE TYPE: DNA

239

240

241 (ix) FEATURE:

242 (A) NAME/KEY: -

243 (B) LOCATION: 1..47

244 (D) OTHER INFORMATION: /note= "primer RH1066-T7"

245

246

247 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

248

249 TAATACGACT CACTATAGGG ATTTTCATCAT GCGGAGATGT TGGATGG

47

250

251

252 (2) INFORMATION FOR SEQ ID NO:11:

253

(i) SEQUENCE CHARACTERISTICS:

255 (A) LENGTH: 20 base pairs

256 (B) TYPE: nucleic acid

257 (C) STRANDEDNESS: single

258 (D) TOPOLOGY: linear

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SEQUENCE VERIFICATION REPORT
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